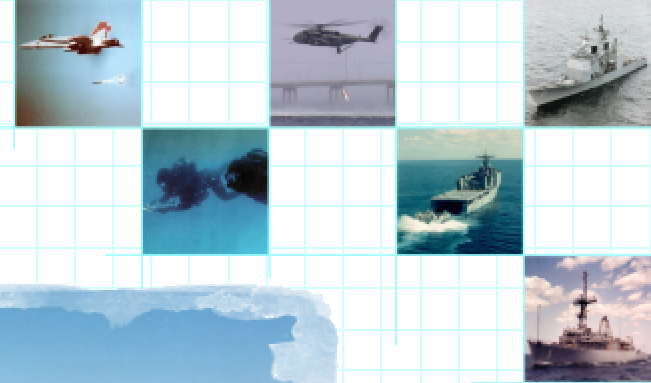




Naval Sea Systems Command

Coastal Systems Station

The leader in littoral warfare



Dr. David P. Skinner
Executive Director

CAPT A. A. (Fred) Shutt, USN
Commanding Officer

DAHLGREN DIVISION
NAVAL SURFACE WARFARE CENTER

<http://www.ncsc.navy.mil>

Mission

Provide research, development, test and evaluation, engineering, and fleet support for:

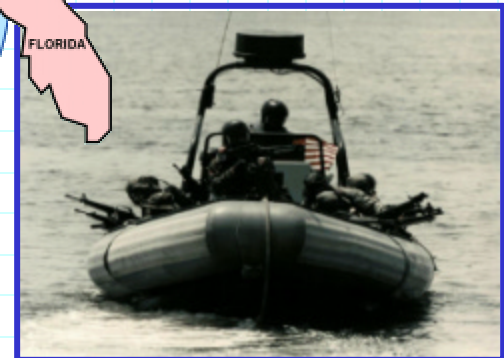
Mine Warfare



Amphibious Warfare Systems



Diving and Life Support



Maritime Special Operations

And other Naval missions that take place in coastal regions





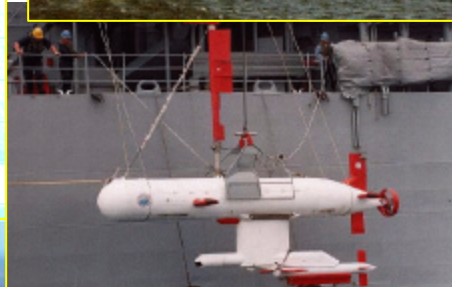
Coastal Systems Station

A Navy Research and Development Laboratory

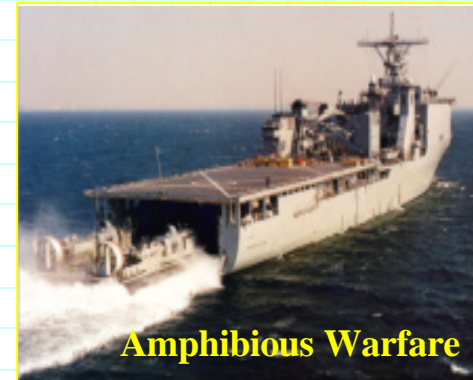
The Leader in Expeditionary Warfare



Special Operations



Mine Warfare



Amphibious Warfare

Expertise Areas

- Acoustics, Magnetics, Electro-Optics Technology and Sensor Applications in the Coastal Arena
- Diving Technology, Engineering, & Training
- Coastal Science, Technology & Operations
- Vehicles (Air/Land/Sea) Technology & Applications
 - Modeling, Simulation & Visualization
- At-Sea Operations (T&E, Ranges, Data Acquisition)



Docks

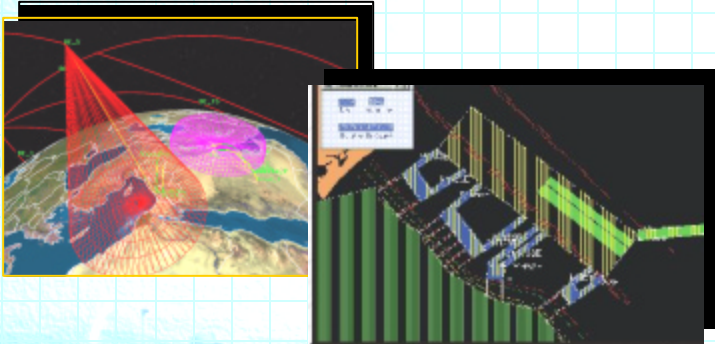


Shops



Diving & Life Support

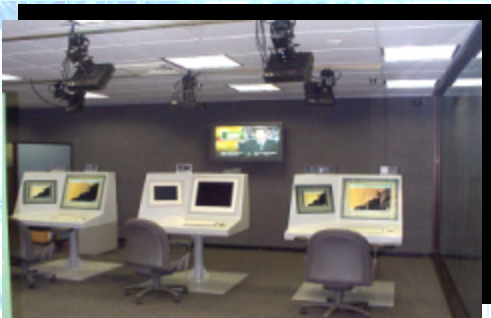
CSS Expeditionary Warfare Systems Facilities



Systems Modeling & Simulation



Acoustic/Magnetic Measuring Range



Advanced Systems Engineering Lab



FANSLAU Coil

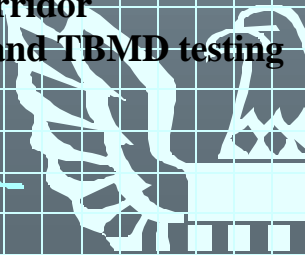


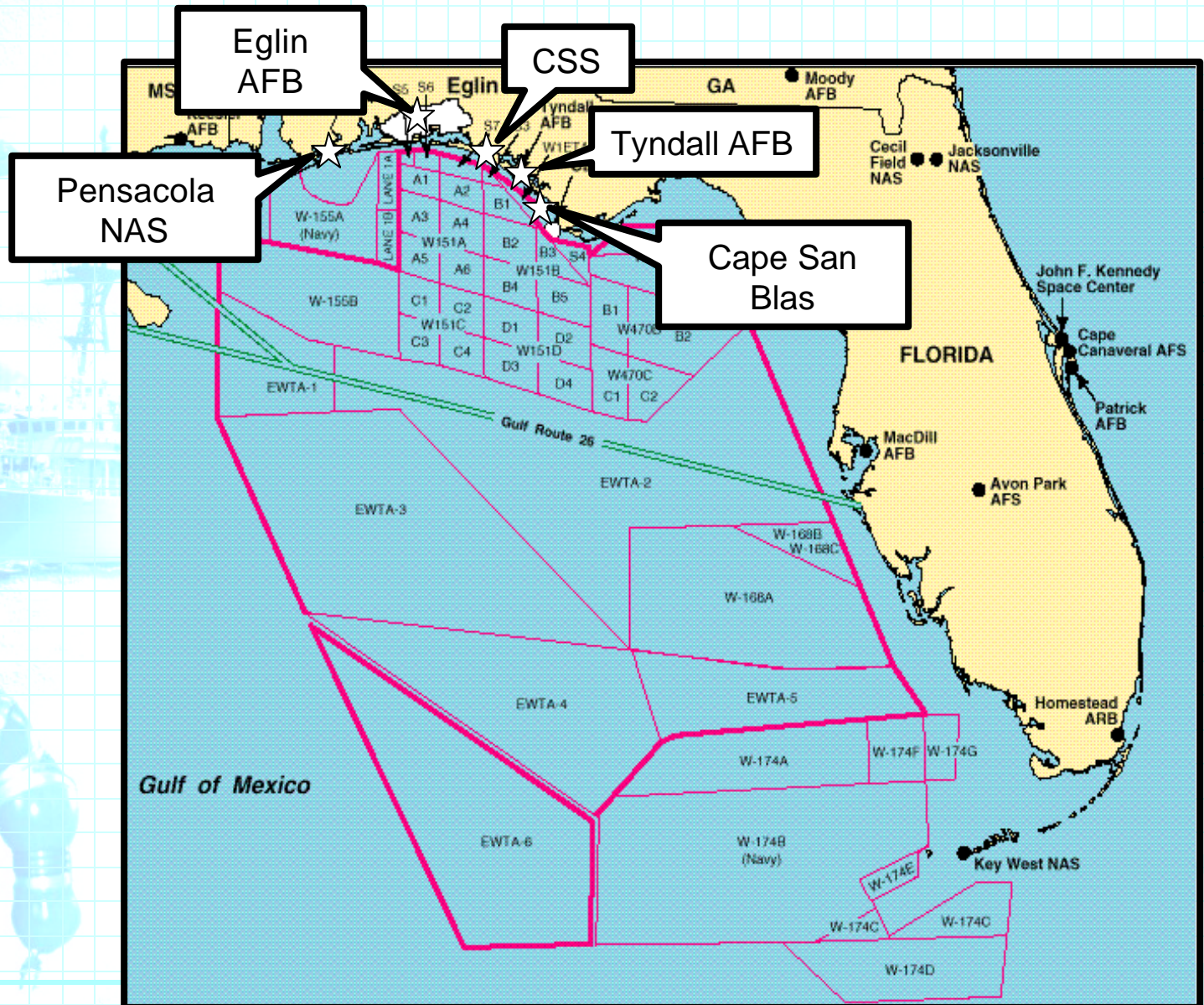
Shallow Water Test Area



Test Range

- **Systems Modeling & Simulation**
 - Centralized models, simulations, & data bases
 - Wide connectivity
- **Advanced Systems Engineering Lab**
 - Communications, network, and flat panel display test bed
- **Shallow Water Test Area**
 - Area: 495 ft x 233 ft
 - Depth: 0 - 12 ft
 - 3700 lbs explosive weight
 - Drainable/fillable
- **Gulf Coast Joint DOD Test Range**
 - Land Area: 724 sq mi
 - Air Space: 135,000 sq mi
 - Beach Front: 19 miles
 - Landings & live fires
 - Supersonic weapon delivery air/sea/land corridor
 - Cruise missile and TBMD testing







THE CSS "FAMILY" IS A KEY ELEMENT FOR THE FUTURE OF EXPEDITIONARY WARFARE

- In house expertise and capability
- Strong teaming with industry and academia
- Significant on base infrastructure
- Strong Joint teaming in key areas
- Environmental assets and resources are unequaled anywhere else

Major Contractors

- Lockheed Martin
- Northrop Grumman
- Armstrong Data Services
- Dynamic Engineering
- Averstar, Inc.
- Arinc, Inc.
- Caterpillar, Inc.
- Nortel Network
- Mevatec Corp.
- Presearch Inc.
- Anteon Corp.
- Raytheon Systems
- Sikorsky Aircraft Corp.
- Analysis & Technology
- Kamewa America, Inc.
- Harris Corp.
- L3 Communication
- Delphinus Engineering
- Outboard Marine
- Applied Research Inc
- KPMG